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Figure 2

Table 2. Glycosylations Using Glycosyl Phosphates and Trimethylsilyltriflate.a

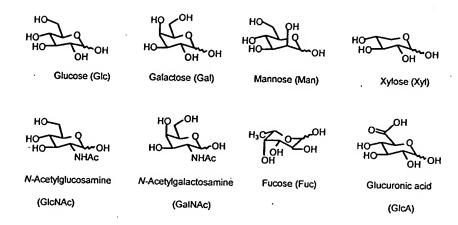
Entry	Glycosyl Donor	Glycosyl Acceptor	Product	Yield
1	OBn BnO O O BnO PivO 2β OBu	9 +0	OBn BnO PivO O 13	94 .
2	2β	BnO OH OH	OBn BnO OMe MeBnO PivO 14	83
3	OTIPS BnO O O O O O O O O O O O O O O O O O O	9	OTIPS BnO PivO O 15	82
4	OBn BnO O-P-OBu TESO OBu	9	OBn BnO HO O 16 O	71
5	2β	HS 11	OBn BnO OSEt PivO 17	90
6 ^b	OBn BnO PivO O 2α O-P-OBu OBu	9	13	87
7 ^b	2α	10	14	73
8 ^b	2α	11	17	70

^aGlycosylations were carried out with 1.2 equiv donor, 1.0 equiv acceptor and 1.2 equiv TMSOTf in dichloromethane at -78°C. ^bReaction was carried out at -20°C.



Figure 3

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HO OH OH OH ACHN OH COOH

N-Acetylneuraminic acid Sialic acid (NANA)



Figure 4

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Figure 5

5

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Figure 6

Glucose

Galactose

Figure 7

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Figure 8

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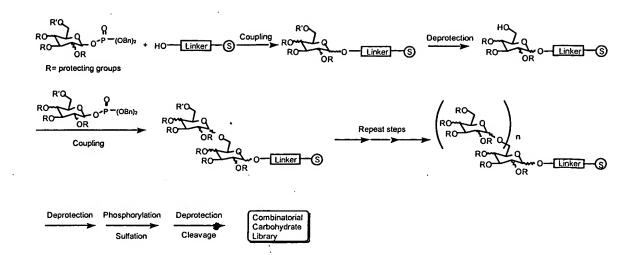


Figure 9

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